

Semester IV

EPC 3: Critical Understanding of Information Communication Technology(ICT)

Contact Hours: 01Hours Per week	Total Marks: 50	Maximum Marks: - 50
Credit: 02	Total Learning Hours : 15+30	Contact Hours: - 1 Hours per week

Objectives:

To enable student-teacher to:

- 1.development ability about use various ICT resources for teaching.
- 2.development skill to use computer system and use of computer in education.
3. to develop interact with wide variety of hardware, software application, devices and tools.
- 4.Understand the participation of knowledge society.
- 5.Identfy and use of free access and open access.

Mode of transaction:-

The course would be transacted through a workshop and practical ,report mode. Carefully to a trainer is an essential skill when taking any course. For this course all student teachers are divided in 5 groups . Each faculty member takes up the responsibility of one group. In each group the student teacher completes the suggested course workshop ,practical under the guidance of faculty member. Initially tell the student teachers about the course and give information of workshop themes and activities. Give the theme/activity wise time table to the student teachers so they can prepare for it.

A-1: Instruction Hours : 3 hrs.+ Learning hours : 6

Marks 10.

Number of group : 5

No. of students each group : 10

***All practical are compulsory for each group**

**** Method : Presentation, Practical and report writing & soft copy.**

i) Concept, need, role and use: Information communication Technology.

ii) Basic of computer :Type, generation, use in education and various fields.

iii) Hardware and software: Input & outputs devices, operating system, printer, scanner, webcam, digital camera, projector, headphone, DVD writer, using storage devices, memory devices.

- iv) Data management : file management, data card, downloading and uploading data, maintaining records and ensuring safety of the equipments, viruses.
- v) MSOffice:- Microsoft Word, Microsoft Excel, Microsoft Power point etc.

A-2: Instruction Hours : 3 hrs.+ Learning hours : 6 **Marks 10.**

Number of group : 5

No. of students each group : 10

***All practical are compulsory for each group**

**** Method : Presentation, Practical and report writing and softy copy.**

- i) Online resources: books, courses, audio book , talking book , wiki open maps, repositories and forum, raw content resources.
- ii) Digital resources: learning resources, content and resources for different subjects. And Evaluation and selection of ICT resources.
- iii) E-portfplio,e-school,e-commerce,e-market,e-banking,e-governance,digital school, interactive white board.
- iv) Open educational resources. Copyright and safe use of ICT resources
- v) E-learning: Meaning, merits and demerits.

A-3: Instruction Hours : 3 hrs.+ Learning hours : 6 **Marks 10.**

Number of group : 5

No. of students each group : 10

***All practical are compulsory for each group**

**** Method : Presentation, Practical and report writing and softy copy.**

- i) Internet: Concept, and use in education.
- ii) E-mail; create an email ID,s ending and receiving email, storing and managing communication, handling attachment, maintains address book, joining e mail.
- iii) Forum, participation in discussion forum, audio conferencing, social networks.
- iv) Website, web surfing, search engine, educational websites, online activities in the school.
- v) Management of information system, library & office automation.

A-4: Instruction Hours : 3 hrs.+ Learning hours : 6 **Marks 10.**

Number of group : 5

No. of students each group : 10

***All practical are compulsory for each group**

**** Method : Presentation, Practical and report writing and softy copy.**

- i) Wi-fi-router, LAN, MAN, WAN, Bluetooth, bandwidth connection speeds.
- ii) Cyber laws and Issues of cyber security, true caller & dialer.

- iii) Multimedia : Introduction, tools and use in education.
- iv) Manage and connect of external devices, EDSAT& DTH, media devices.
- v) Media forms: text, graphics, animation, audio-video.

A-5: Instruction Hours : 3 hrs.+ Learning hours : 6

Marks 10.

Number of group : 5

No. of students each group : 10

***All practical are compulsory for each group**

**** Method : Presentation, Practical and report writing and softy copy.**

- i) Virtual reality: Introduction, virtual environments for self learning and teaching learning, virtual classroom.
- ii) Forums: Structure, parts of forum, common feature, advantages and disadvantages.
- iii) Voice over internet protocol (VoIP): Types, usage, advantages, disadvantages.
- iv) ICT in: English, Hindi, Marathi, Math's, Science, Geography, History, Sanskrit, Commerce, Economics etc.
- v) Preparation of lesson plan on two teaching methodology.

Activity	Evaluation	Marks	Out of 10
A-1	Presentation/ Practical/ report writing / softy copy	50	10
A-2	Presentation/ Practical/ report writing / softy copy	50	10
A-3	Presentation/ Practical/ report writing / softy copy	50	10
A-4	Presentation/ Practical/ report writing / softy copy	50	10
A-5	Presentation/ Practical/ report writing / softy copy	50	10
Total		250	50

Certificate

Subject : EPC 3 - Critical Understanding of ICT

This is to certify that Mr/Ms

Studing in B. Ed. Roll no.....has successfully completed the course in EPC 3 - Critical Understanding of ICT,during the academic year 20.....- 20..... .On the basis of his/her performance in Presentation,Practical, report writing and softy copy .We are pleased to award him/her grade

Faculty Member Signature

Subject Teacher Signature

Principal's Signature

Date :-

EPC 4: Understanding the Self

Contact Hours: 01 Hours Per week	Total Marks: 50
Credit: 02	
Total Learning Hours :15 +30	

Course Objectives: To enable the student teachers to,

1. Develop understanding about self as a person and as a teacher.
2. Develop social relational sensitivity.
3. Develop effective communication skills.
4. Develop a holistic and integrated understanding of human self and personality.
5. Built resilience with in to deal with conflicts at different levels.
6. Be aware of their identities and the political, historical and social forces that shape him/her.
7. Revisit one`s childhood experiences and empathizing with others childhood.
8. Understand issues of contemporary adolescence.
9. Enhance ability of body and mind.

Mode of transaction:-

The course has two strands. The strand A of the course would be transacted through a workshop mode. The strand B of the course is writing task and Journal writing.

For this course all student teachers are divided in 7 groups (For one unit). Each faculty member (Mentor) takes up the responsibility of one group. In each group the student teacher completes the suggested course workshop themes/activities under the guidance of faculty member.

Descriptions of some methodologies that have been applied in the course have been mentioned and that will be used while implementing the same.

Initially tell the student teachers about the course and give information of workshop themes and activities. Give the theme/activity wise time table to the student teachers so they can prepare for it.

Step 3

Ask the student teachers what is the role of teacher in need of adolescence?

Theme/Activity No.4

Ask the student teachers how community plays an important role in forming one's identity, beliefs, attitude etc. (member of community can be family, peers, friends from school, the media, community groups etc.)

Theme/Activity No.5

Ask the student teachers what is the philosophy of yoga? And what are the benefits of yoga for body and mind?

Theme/Activity No.6

Ask the student teachers to share case studies /biographies/ stories of different children who are arise in different circumstances and how this affected their sense of self and identity formation.

Theme/Activity No.7

Tell the student teachers to select one article on issues of life and education. Read it in group and discuss.

Theme/Activity No. 8

Step 1

Show the student teachers one movie / documentary of educational and social content and ask them to write review of that movie / documentary.

Step 2

Ask the student teachers to share his/her experience, observations and reflection on that movie / documentary.

Strand – B Writing task and Journal writing

Activity No. 1

Ask the student teachers to identify one social issue/problem of key significance, and write essay reflect on, how 'school education' and 'classroom practice' may be improve this.

Activity No. 2

Each student teacher should be asked to maintain a self-reflective journal in which he/she may write reflection on significant experiences, observations with in the course. Also student teacher writes how this course helps him/her in understanding the self.

Assessment

This should be based on the assessment criterion given to each theme / activity. By using this group in charge faculty mentor assess each student teacher in the group.

M. Ed Semester-I

C) Ability /Skill Enhancement Course

ICT –SK : Education

Total Credit : 04

Total Marks :100

Total Hours :136 (per week 8 hrs)

External Practical Examination

(Oral /Performance): 01 hr30 min

External Practical Exam Maximum Marks : 50

Internal Practical Examination :01 hr 30 min

a. Written /Oral /Performance :25 Marks

b. Record of activities

(Work book and Practical File) : 25 Marks

Objectives

On completion of this course the students will be able to :

1. understand the fundamentals of ICT in education
2. apply ICT in Education
3. understand the computer and other e-technologies used in instructions and evaluation
- 4 .use of ICT to the conduct of the research and research communication.

Course Content

Unit –I : Fundamental of ICT (34 hrs)

- a. Prepare a note on ICT & its nature (own handwriting) (2 hrs)
- b. Use Word processor :*MS Word* and write a leave letter to your H.O.D /Principal (Print-out) (3 hrs)
- c. Use Spread sheet Package: *M.S Excel* and calculate mean ; median ; 't' correlation and prepare Graphs : bar graph ; pie chart etc.(Print-outs) (5hrs)